Present Study Strategy

- Integrate 225 pb^{-1} by August 25, 2003
- Parasitic Studies
  - Affect stacking timeline only
  - Studies permitted only when stack reaches > 80% (120mA) of target value (160 mA)
  - Study cycles can only occupy 20% of stacking timeline
  - Priorities
    - Run II short term
    - Run II long term
    - NUMI
    - Switchyard 120
  - Exceptions
    - Study cycles that can fit in between stacking cycles
    - Maintenance studies (Pbar stacking)
    - Recycler one-shots

Present Study Strategy

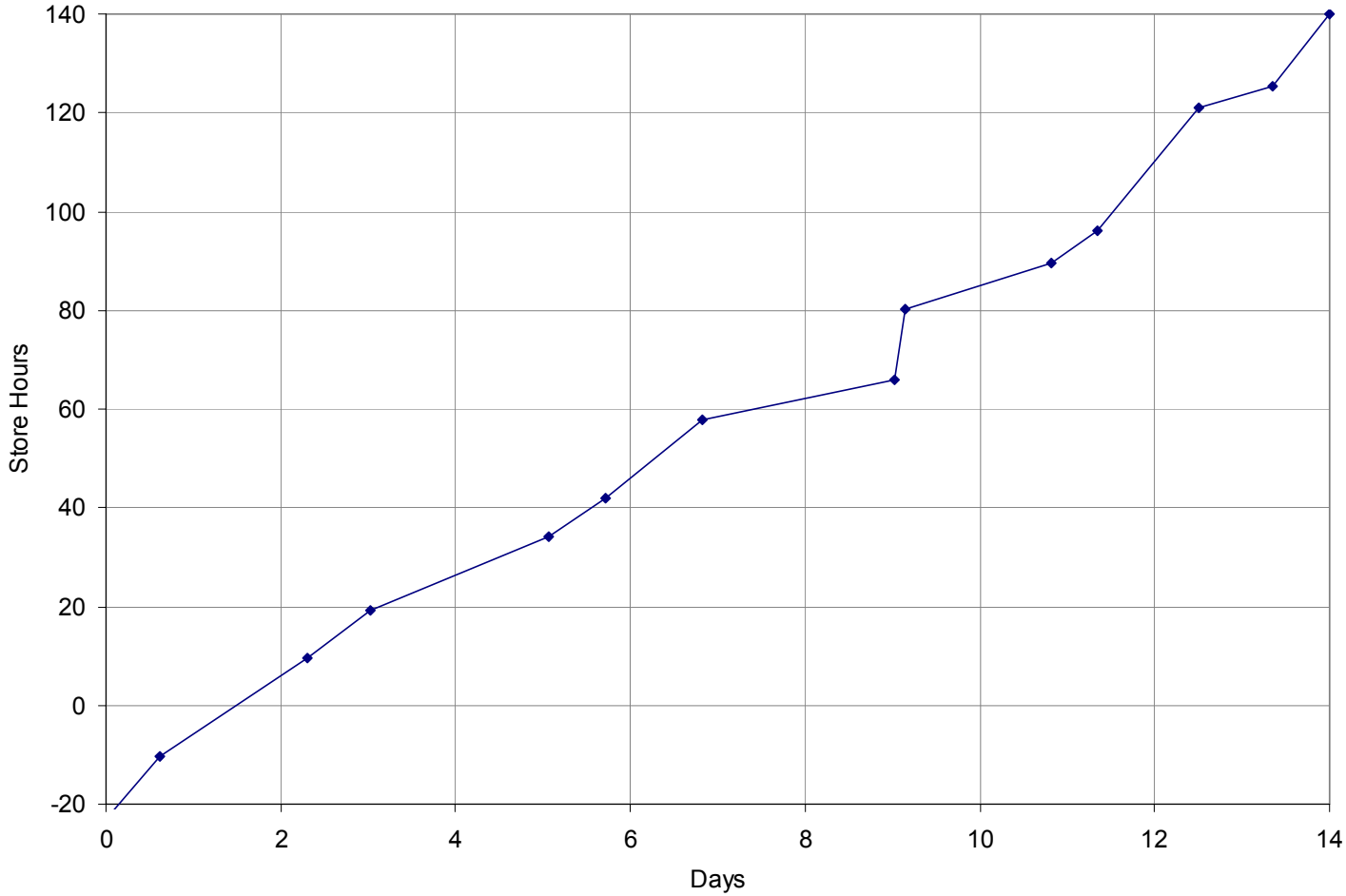
- TEV Studies
  - 4 hours every other store
  - Focused studies
    - New high energy ramp helix
    - Injection lattice matching
      - Lattice measurements
      - Emittance characterization
  - Maintain at least 70 hours of stores per week
- Dedicated Pbar Studies
  - On hold

FY04 Parasitic Study Strategy

- Recycler "Pbar Tax"
  - 25% of the Pbar stacking time line will go to Recycler commissioning
  - Uses of the tax
    - MI Access time
    - Proton events
    - Pbar transfers
- Present 80% Stack size / 20% Time-line strategy
  - Stack Size target will be reduce from 160 mA to 130 mA because of the Recycler Pbar Tax.
  - Studies would start at stack sizes of 105 mA

FY04 Dedicated Study Strategy

- A study period would begin only if the previous 14 days contained 140 hours of store time.



FY04 Dedicated Study Strategy

- Study periods would occur twice a week.
- Study periods will be short (8-12 hours)
- There would be at least two stores between each study period.
- Pbar studies would occur 16 hours ahead of TEV studies.
  - This would allow for 16 hours of stacking by the time the TEV is finished with studies.
  - We would try to engineer store lengths so that studies would begin at predictable times
    - Pbar Studies would aim at starting at 4pm on Monday and Thursday
    - TEV Studies would aim at starting at 8am on Tuesday and Friday

FY04 Dedicated Study Strategy

- Studies would be blocked according to themes.
  - We would only focus on few problems at a time, for example:
    - TEV injection lattice mismatch
    - TEV High energy ramp helix
  - At the end of the study block (or theme) a short write-up (TEV Note or Pbar Note) describing the results of the studies would be expected.
- Maintenance studies would occur at the discretion of the Run Coordinator.
  - i.e. TEV orbit smoothing
  - or Pbar cooling phasing